

6	S6 and (((twin or second or double or "2nd") adj (heat\$1sink or (heat adj sink))) with (US-PGPUB; USPAT	2/15/05
0	S5 and (((twin or second or double or "2nd") adj (heat\$1sink or (heat adj sink))) with (US-PGPUB; USPAT	2/15/05
9	S1 and (((twin or second or double or "2nd") adj (heat\$1sink or (heat adj sink))) with (US-PGPUB; USPAT	2/15/05
1	S1 and (((twin or second or double or "2nd") adj (heat\$1sink or (heat adj sink))) with (US-PGPUB; USPAT	2/15/05
12	("5397917" "5583378" "5724230" "5726493" "5796038" "5854511" "5866943" US-PGPUB; USPAT; USOCR	2/15/05
1	20050001311 US-PGPUB; USPAT	2/15/05
0	S94 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
27	S94 and ((cte or warp or mismatch or mismatched or mismatching or stress or warpin US-PGPUB; USPAT	2/16/05
4	S91 and ((heat\$1sink or (heat adj sink)) with ((front or top) adj surface)) US-PGPUB; USPAT	2/16/05
16	S85 not S72 US-PGPUB; USPAT	2/16/05
1	S81 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
4	S75 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient)) US-PGPUB; USPAT	2/16/05
14	S74 not S71 US-PGPUB; USPAT	2/16/05
8	S74 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient)) US-PGPUB; USPAT	2/16/05
9	S73 and S89 US-PGPUB; USPAT	2/16/05
26	S73 and S84 US-PGPUB; USPAT	2/16/05
32	S73 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
13	S71 not S69 US-PGPUB; USPAT	2/16/05
19	S70 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
6	S68 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
0	S63 and cte EPO; JPO; DERWENT	2/16/05
0	S63 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient)) EPO; JPO; DERWENT	2/16/05
0	S63 and ((heat\$1sink or (heat adj sink)) same (cte or coefficient)) EPO; JPO; DERWENT	2/16/05
0	S60 and (cte) US-PGPUB; USPAT	2/16/05
3	S60 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient)) EPO; JPO; DERWENT	2/16/05
0	S60 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient)) US-PGPUB; USPAT	2/16/05
5	S58 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
3	S55 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
28	S54 and (stiff or stiffener or stiffening or stiffened) US-PGPUB; USPAT	2/16/05
19	S54 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink)) US-PGPUB; USPAT	2/16/05
4	S52 and (stiff or stiffener or stiffening or stiffened) US-PGPUB; USPAT	2/16/05

2	S46 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
13	S44 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
4	S41 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
1	S41 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient) with ("same" near (ca	US-PGPUB; USPAT	2/16/05
4	S41 and ((heat\$1sink or (heat adj sink)) with (cte or coefficient))	US-PGPUB; USPAT	2/16/05
3	S38 not S37	US-PGPUB; USPAT	2/16/05
8	S36 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
7	S32 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
18	S31 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
4	S29 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
22	S27 not S21	US-PGPUB; USPAT	2/16/05
22	S26 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
3	S22 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
21	S20 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
5	S18 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
2	S124 not S122	US-PGPUB; USPAT	2/16/05
14	S121 not (S119 or S115)	US-PGPUB; USPAT	2/16/05
7	S12 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
6	S119 and ("257"/\$3.cor.) or ("438"/\$3.cor.) or ("361"/\$3.cor.)	US-PGPUB; USPAT	2/16/05
20	S118 not S115	US-PGPUB; USPAT	2/16/05
38	S117 and ((other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/16/05
7	S11 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
1	S105 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink	US-PGPUB; USPAT	2/16/05
1	S105 and ((another or additional) adj (heat\$1sink or (heat adj sink)))	US-PGPUB; USPAT	2/16/05
21	S104 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
19	S101 not S86	US-PGPUB; USPAT	2/16/05
26	S100 not S97	US-PGPUB; USPAT	2/16/05
19	cte and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/16/05
26	6069023 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/16/05
1	5708567.pn.	US-PGPUB; USPAT	2/16/05
2	4878106 and ((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj	US-PGPUB; USPAT	2/16/05

17	(US-20040217472-\$ or US-20040217485-\$ or US-20040238944-\$ or US-2005000131	US-PGPUB; USPAT	2/16/05
0	(stiff or stiffener or stiffening or stiffened) and S122	US-PGPUB; USPAT	2/16/05
5	(stiff or stiffener or stiffening or stiffened) and S110	US-PGPUB; USPAT	2/16/05
0	(stiff or stiffener or stiffening or stiffened) and S108	US-PGPUB; USPAT	2/16/05
12	(advanced and semiconductor and engineering).as. and (heat\$1sink or (heat adj sink);US-PGPUB; USPAT	2/16/05	
33	((("257"/\$3.cor.) or ("438"/\$3.cor.) or ("361"/\$3.cor.)) and ((other or additional or anothe;US-PGPUB; USPAT	2/16/05	
5	(((other or additional or another or twin or second or double or "2nd" or two) adj (heat;US-PGPUB; USPAT	2/16/05	
7	("5397746" "5489801" "5811317" "6015722" "6313521" "6323547" "6465827");US-PGPUB; USPAT; USOCR 2/16/05		
12	("5157480" "5345106" "5757080" "5793108" "5869883" "5929513" "6002181" US-PGPUB; USPAT; USOCR 2/16/05		
6	("4383270" "5491362" "5888884" "6163458" "6288900" "6294831").PN. US-PGPUB; USPAT; USOCR 2/16/05		
22	(((heat\$1sink or (heat adj sink)) with (identical or close) with (cte or coefficient) with (c;US-PGPUB; USPAT	2/16/05	
4	(((heat\$1sink or (heat adj sink)) with (cte or coefficient) with ("same" near2 (carrier or ;US-PGPUB; USPAT	2/16/05	
1	(((heat\$1sink or (heat adj sink)) with (cte or coefficient) with ("same" near (carrier or s;US-PGPUB; USPAT	2/16/05	
11	(((heat\$1sink or (heat adj sink)) with ("same" near2 (cte or coefficient)) with (carrier or s;US-PGPUB; USPAT	2/16/05	
8	(((heat\$1sink or (heat adj sink)) with ("same" near (cte or coefficient)) with (carrier or s;US-PGPUB; USPAT	2/16/05	
21	(((heat\$1sink or (heat adj sink)) with ("same" adj (material or metal or coefficient)) with (c;US-PGPUB; USPAT	2/16/05	
3	(((heat\$1sink or (heat adj sink)) with ("same" adj (material or metal or coefficient)) with (c;US-PGPUB; USPAT	2/16/05	
0	(((heat\$1sink or (heat adj sink)) with ("same" adj (cte)) with substrate) US-PGPUB; USPAT	2/16/05	
0	(((heat\$1sink or (heat adj sink)) with ("same" adj (cte)) with carrier) US-PGPUB; USPAT	2/16/05	
13	((((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))) with (c;US-PGPUB; USPAT	2/16/05	
1	((((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))) with ("US-PGPUB; USPAT	2/16/05	
5	((((twin or second or double or "2nd" or two) adj (heat\$1sink or (heat adj sink))) with ("US-PGPUB; USPAT	2/16/05	
0	(((front\$1side or (front adj side) or top) adj (heat\$1sink or (heat adj sink))) with (cte o;US-PGPUB; USPAT	2/16/05	
2	(((back\$1side or (back adj side) or bottom) adj (heat\$1sink or (heat adj sink))) with (c;US-PGPUB; USPAT	2/16/05	
21	6265771 US-PGPUB; USPAT	2/16/05	
21	6265771 US-PGPUB; USPAT	2/16/05	
18	5811317 US-PGPUB; USPAT	2/16/05	
23	S161 not S160 US-PGPUB; USPAT	2/18/05	
10	S158 not S141 US-PGPUB; USPAT	2/18/05	
10	S157 not S147 US-PGPUB; USPAT	2/18/05	
10	S151 not S152 US-PGPUB; USPAT	2/18/05	

22	S150 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	2/18/05
12	S150 and ((heat\$1sink or (heat adj sink)) with (carrier or board or pcb))	US-PGPUB; USPAT	2/18/05
32	S146 not S141	US-PGPUB; USPAT	2/18/05
7	S143 and (heat\$1sink or (heat adj sink))	US-PGPUB; USPAT	2/18/05
18	S140 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
2	S138 and (257/706,707.ccls.)	US-PGPUB; USPAT	2/18/05
38	S129 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
12	S102 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/18/05
32	(361/704.ccls.) and (@ad<"20040703" or @riad<"20040703") and ((heat\$1sink or (he	US-PGPUB; USPAT	2/18/05
9	(361/704.ccls.) and (@ad<"20040703" or @riad<"20040703") and ((heat\$1sink or (he	US-PGPUB; USPAT	2/18/05
6	("5212402" "5450283" "5663593" "5731631" "5849608" "5969947").PN.	US-PGPUB; USPAT; USOCR	2/18/05
8	("4918571" "5311060" "5430611" "5473510" "5528462" "5838064" "6078506"	US-PGPUB; USPAT; USOCR	2/18/05
2	6285553	US-PGPUB; USPAT	2/18/05
36	5926371	US-PGPUB; USPAT	2/18/05
45	S192 not S190	US-PGPUB; USPAT	2/19/05
18	S190 not S188	US-PGPUB; USPAT	2/19/05
13	S188 not S183	US-PGPUB; USPAT	2/19/05
37	S178 not S177	US-PGPUB; USPAT	2/19/05
22	S174 not S173	US-PGPUB; USPAT	2/19/05
22	S174 not S172	US-PGPUB; USPAT	2/19/05
22	S174 not S171	US-PGPUB; USPAT	2/19/05
8	S172 not S171	US-PGPUB; USPAT	2/19/05
13	S169 not S166	US-PGPUB; USPAT	2/19/05
36	S165 and ((other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/19/05
17	S165 and ((other or additional or another or twin or second or double or "2nd" or two)	USPAT	2/19/05
27	S163 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/19/05
22	S149 and (ball or bump or bga or (ball\$1grid) or (ball adj grid) or (flip adj chip) or flip\$	US-PGPUB; USPAT	2/19/05
19	S114 and ((other or additional or another or twin or second or double or "2nd" or two)	US-PGPUB; USPAT	2/19/05
6	59065458 "59219942"	JPO; DERWENT	2/19/05
1	5285352.PN.	USPAT; USOCR	2/19/05
1	5065281.PN.	USPAT; USOCR	2/19/05

29	(US-20020079592-\$ or US-20020185718-\$ or US-20040217472-\$ or US-2004021748; US-PGPUB; USPAT	2/19/05
5	(heat\$1sink or (heat adj sink)) and "5293301" and (@ad<"20040703" or @rlad<"2004; US-PGPUB; USPAT	2/19/05
7	(heat\$1sink or (heat adj sink)) and "5065281" and (@ad<"20040703" or @rlad<"2004; US-PGPUB; USPAT	2/19/05
3	("6297549" "5410449" "5720342").pn.	2/19/05
10	("6118177" "4561011" "6178093" "5586006" "6281573" "5883425" "6396136" "636252; US-PGPUB; USPAT	2/19/05
1	("6057598").PN.	2/19/05
4	("5866943").PN. or ("5886406" "5990552" "5786630").PN.	2/19/05
11	("5817530" "5776512" "6080264" "5886412" "6051886" "6737750" "6005778" "679804; US-PGPUB; USPAT	2/19/05
3	(heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) and S199	2/19/05
8	(heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) and S196	2/19/05
1	(heat\$1spreader or (heat adj (sink or spreader)) or heat\$1sink) and S180	2/19/05
26	(heat\$1spreader or (heat adj spreader)) with ((center or middle) near2 (carrier or pcb US-PGPUB; USPAT	2/19/05
12	(heat\$1sink or (heat adj sink)) with plate with (bottom)) and (@ad<"20040703" or @r US-PGPUB; USPAT	2/19/05
14	(heat\$1sink or (heat adj sink)) with plate with (act or acting)) and (@ad<"20040703" US-PGPUB; USPAT	2/19/05
15	(heat\$1sink or (heat adj sink)) with double) and (@ad<"20040703" or @rlad<"20040; US-PGPUB; USPAT	2/19/05
22	(heat\$1sink or (heat adj sink)) with (bottom near substrate)) and (@ad<"20040703" o US-PGPUB; USPAT	2/19/05
29	(heat\$1sink or (heat adj sink)) with ((center or middle) near2 (carrier or pcb or substr; US-PGPUB; USPAT	2/19/05
16	(heat\$1sink or (heat adj sink)) with ((center or middle) near substrate)) and (@ad<"2; US-PGPUB; USPAT	2/19/05
3	(heat\$1sink or (heat adj sink)) with (bottom) with top with "both") and (@ad<"200407 US-PGPUB; USPAT	2/19/05
3	(heat\$1sink or (heat adj sink))) and S181	2/19/05
4	S253 not (S245 or S240 or S236 or S233 or S229 or S227 or S220)	2/28/05
36	S250 not (S245 or S240 or S236 or S233 or S229 or S227 or S220)	2/28/05
13	S245 not (S240 or S236 or S233 or S229 or S227 or S220)	2/28/05
3	S243 and (@ad<"20040703" or @rlad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
35	S243 and (@ad<"20040703" or @rlad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
17	S243 and (@ad<"20040703" or @rlad<"20040703") and ((bga or (ball\$1grid) or (ball ; US-PGPUB; USPAT	2/28/05
41	S240 not (S236 or S233 or S229 or S227 or S220)	2/28/05
41	S239 and (@ad<"20040703" or @rlad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
11	S236 not (S233 or S229 or S227 or S220)	2/28/05
36	S235 and (@ad<"20040703" or @rlad<"20040703") and ((ball or bump or bga or (ball; US-PGPUB; USPAT	2/28/05
19	S233 not (S229 or S227 or S220)	2/28/05

[illegible]

2	S294 and ((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or)	US-PGPUB; USPAT	3/5/05
20	S293 not S289	US-PGPUB; USPAT	3/5/05
24	S292 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
24	S291 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
4	S288 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
3	S285 not S284	US-PGPUB; USPAT	3/5/05
3	S280 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
11	S277 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
6	S273 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
13	S267 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
18	S265 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
18	S263 not S264	US-PGPUB; USPAT	3/5/05
16	S255 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
19	S252 and (@ad<"20040703" or @rlad<"20040703") and ((bga or (ball\$1grid) or (ball ;	US-PGPUB; USPAT	3/5/05
2	6490161 and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
9	6219243 and (@ad<"20040703" or @rlad<"20040703")	US-PGPUB; USPAT	3/5/05
1	5903052.PN.	USPAT; USOCR	3/5/05
28	(S297 or S298) and (stiff or stiffener or stiffening or stiffened or stiffen)	US-PGPUB; USPAT	3/5/05
8	(heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) a	US-PGPUB; USPAT	3/5/05
6	("6724080" "6285553" "6058015" "5966290" "5909056" "5811317").pn. and (stiff or stif	US-PGPUB; USPAT	3/5/05
24	("6724080" "6285553" "6058015" "5966290" "5909056" "5811317") and (stiff or stiffen	US-PGPUB; USPAT	3/5/05
1	("6490161".pn.) and active	US-PGPUB; USPAT	3/5/05
22	("6427071" "5895967" "5907189" "6614660" "5650662" "5977633" "6528869" "200400;	US-PGPUB; USPAT	3/5/05
4	("5903052" "6117797" "6545351" "20020109226").did.	US-PGPUB; USPAT	3/5/05
9	("5291062" "5473510" "56193399" "5703753" "5841194" "5920120" "6208515"	US-PGPUB; USPAT; USOCR	3/5/05
8	("5155661" "5367193" "5621615" "5625227" "5734555" "5751063" "5960535"	US-PGPUB; USPAT; USOCR	3/5/05
43	("4611238" "5065281" "5173766" "5208504" "5216278" "5285352" "5294826" "536658;	US-PGPUB; USPAT	3/5/05
11	("4561006" "4667220" "4812949" "4888247" "4890152" "5027191" "5144412"	US-PGPUB; USPAT; USOCR	3/5/05
11	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
6	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
6	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05

3	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
1	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
0	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
13	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug)	US-PGPUB; USPAT	3/5/05
39	5744863	US-PGPUB; USPAT	3/5/05
9	((heat\$1spreader or (heat adj (sink or spreader or slug)) or heat\$1sink or heat\$1slug) \ US-PGPUB; USPAT	US-PGPUB; USPAT	3/6/05
17	S325 and (@ad<"20040703" or @riad<"20040703")	US-PGPUB; USPAT	3/16/05
24	S311 and (coefficient or cte)	US-PGPUB; USPAT	3/16/05
9	S311 and ((coefficient or cte) with ("same" or equal or match or matching or matched)	US-PGPUB; USPAT	3/16/05
0	20020171144 and ((coefficient or cte) with (substrate))	US-PGPUB; USPAT	3/16/05
1	20020171144 and ((coefficient or cte))	US-PGPUB; USPAT	3/16/05
45	(US-20020079592-\$ or US-20020171144-\$ or US-20020185718-\$ or US-2003003526; US-PGPUB; USPAT	US-PGPUB; USPAT	3/16/05
1	((coefficient or cte) with (bga or ball\$1grid or c4) with (mismatch or mismatching or mi	US-PGPUB; USPAT	3/16/05
20	((coefficient or cte) with (bga or ball\$1grid or c4) with (copper or cu))	US-PGPUB; USPAT	3/16/05
24	((coefficient or cte) with (bga or ball\$1grid or c4) with (copper or cu))	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near5 (r	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near3 (r	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near2 (r	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) with ((bottom or back\$1side) near (he	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) with ("same" or equal or match or ma	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with (bga or ball\$1grid or c4) near5 (bottom or back\$1side))	US-PGPUB; USPAT	3/16/05
1	((coefficient or cte) with ((bga or ball\$1grid or c4) near (carrier or substrate))	US-PGPUB; USPAT	3/16/05
2	((coefficient or cte) with ((bga or ball\$1grid or c4) near (carrier or substrate))	US-PGPUB; USPAT	3/16/05
0	((coefficient or cte) with ((bga or ball\$1grid or c4) near (bottom or back\$1side))	US-PGPUB; USPAT	3/16/05
17	((bga or ball\$1grid or c4) near (bottom or back\$1side))	US-PGPUB; USPAT	3/16/05